15792ROUS02U

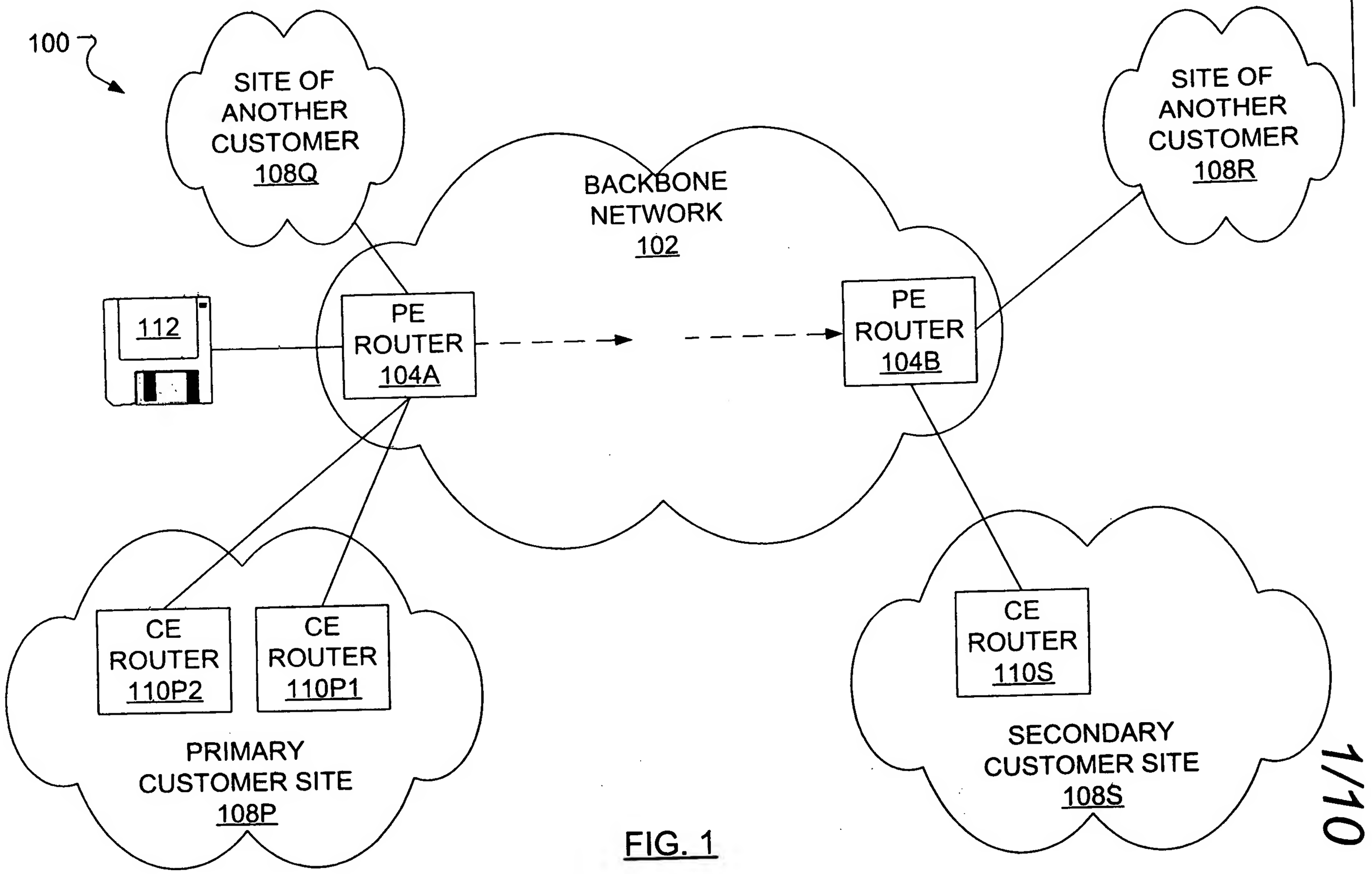

FIG. 1

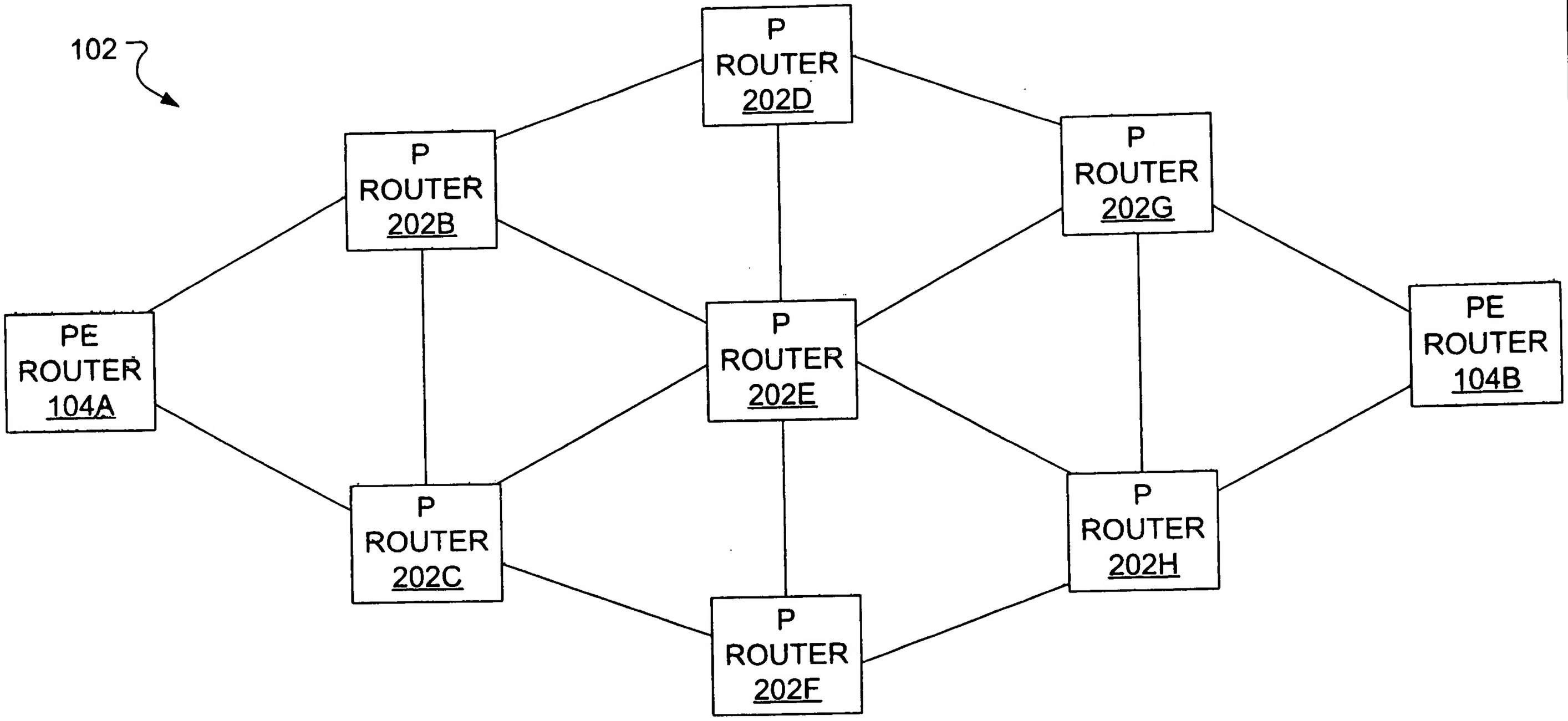
102
P ROUTER 202D
P ROUTER 202B
P ROUTER 202G
PE ROUTER 104A
P ROUTER 202E
PE ROUTER 104B
P ROUTER 202C
P ROUTER 202H
P ROUTER 202F

FIG. 2

300

DESTINATION IP ADDRESS	BGP NEXT HOP	LABEL FOR DESTINATION AT BGP NEXT HOP
10.10.2.5	10.20.1.1 (PE ROUTER 104B)	37
10.10.2.4	10.20.1.1	43
10.10.2.1	10.20.1.1	41

FIG. 3

400

ADDRESS OF BGP NEXT HOP	IGP NEXT HOP	LABEL FOR BGP NEXT HOP AT IGP NEXT HOP
10.20.1.1	10.20.3.1 (P ROUTER 202C)	27
10.20.2.1	10.20.3.1	34
10.20.2.2	10.20.4.1	14

FIG. 4

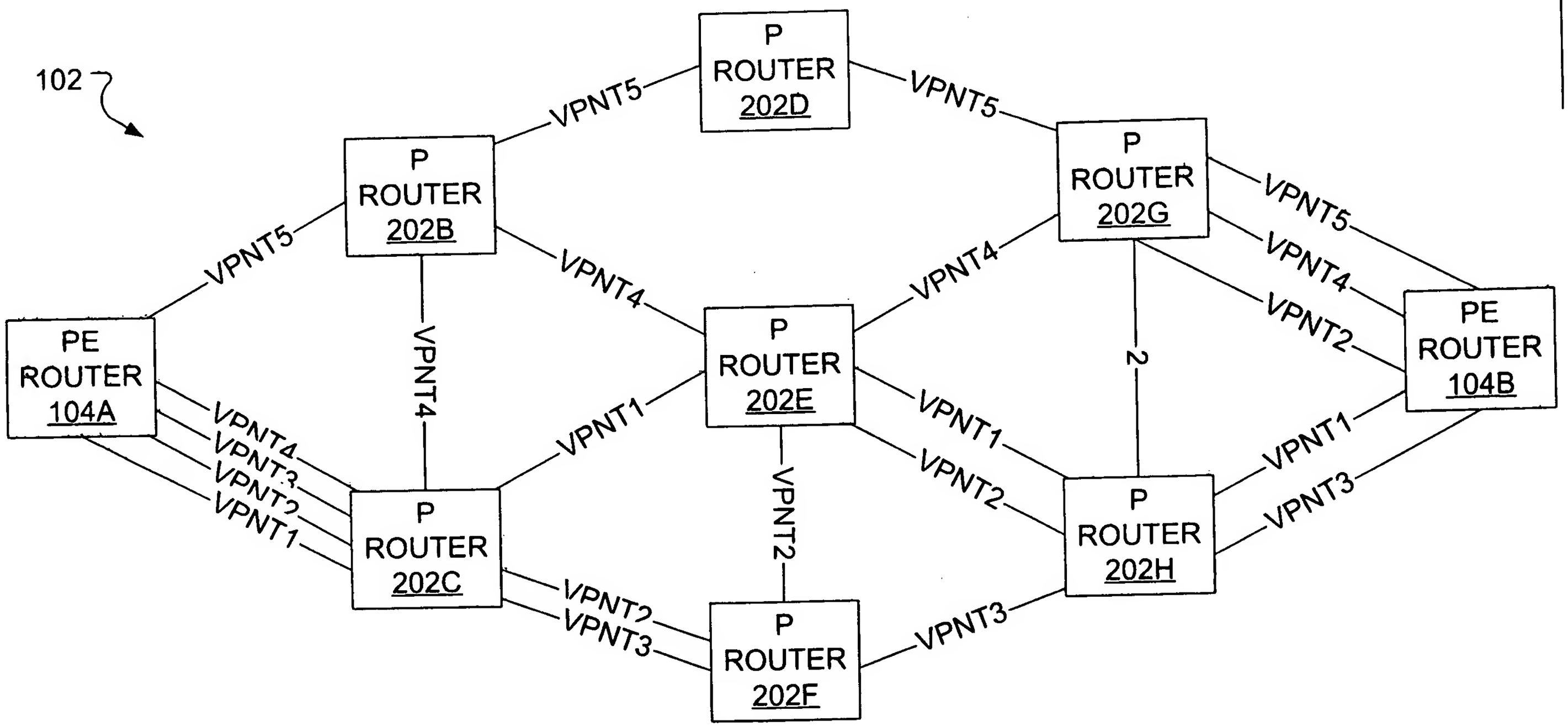
102
P ROUTER 202D
P ROUTER 202B
P ROUTER 202G
PE ROUTER 104A
P ROUTER 202E
PE ROUTER 104B
P ROUTER 202C
P ROUTER 202H
P ROUTER 202F
VPNT5
VPNT4
VPNT3
VPNT2
VPNT1
2

FIG. 5

600

TRAFFIC TYPE	PORT ID	SOURCE IP ADDRESS	LOGICAL GROUP ID
*	6	*	700
*	*	10.10.1.7	700
HTTP	[6]	[10.10.1.7]	800

FIG. 6

701

LOGICAL GROUP ID 700

DESTINATION IP ADDRESS	BGP NEXT HOP	LABEL FOR DESTINATION AT BGP NEXT HOP
10.10.2.5	10.20.1.1 (SECOND PE ROUTER 104B)	37
10.10.2.4	10.20.1.1	43
10.10.2.1	10.20.1.1	41

702

LOGICAL GROUP ID 700

ADDRESS OF BGP NEXT HOP	IGP NEXT HOP	LABEL FOR BGP NEXT HOP AT IGP NEXT HOP
10.20.1.1	10.20.3.1 (P ROUTER 202C)	27 (VPNT1)
10.20.1.1	10.20.3.1 (P ROUTER 202C)	35 (VPNT3)
10.20.1.1	10.20.3.2 (P ROUTER 202B)	29 (VPNT5)

FIG. 7

801

COST	LOGICAL GROUP ID
GOLD	900
SILVER	1000
BRONZE	700

FIG. 8

901

LOGICAL GROUP ID 900

DESTINATION IP ADDRESS	BGP NEXT HOP	LABEL FOR DESTINATION AT BGP NEXT HOP
10.10.2.5	10.20.1.1 (SECOND PE ROUTER 104B)	37
10.10.2.4	10.20.1.1	43
10.10.2.1	10.20.1.1	41

902

LOGICAL GROUP ID 900

ADDRESS OF BGP NEXT HOP	IGP NEXT HOP	LABEL FOR BGP NEXT HOP AT IGP NEXT HOP
10.20.1.1	10.20.3.1 (P ROUTER 202C)	30 (VPNT2)

FIG. 9

1001

LOGICAL GROUP ID 1000

DESTINATION IP ADDRESS	BGP NEXT HOP	LABEL FOR DESTINATION AT BGP NEXT HOP
10.10.2.5	10.20.1.1 (SECOND PE ROUTER 104B)	37
10.10.2.4	10.20.1.1	43
10.10.2.1	10.20.1.1	41

1002

LOGICAL GROUP ID 1000

ADDRESS OF BGP NEXT HOP	IGP NEXT HOP	LABEL FOR BGP NEXT HOP AT IGP NEXT HOP
10.20.1.1	10.20.3.1 (P ROUTER 202C)	33 (VPNT4)

FIG. 10